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| Form PTO 1449<br>Rev. 7-80<br><b>U.S. Department of Commerce<br/>Patent and Trademark Office<br/>LIST OF PRIOR ART CITED BY APPLICANT<br/>(Use Several Sheets If Necessary)</b> | Atty. Docket No.<br>Mo5599/LeA 32,647 | Serial No.<br>09/529,680 |
|   | Applicant<br>Gerhard Wötting et al    |                          |
|   | Filing Date<br>April 17, 2000         | Group<br>1755            |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|-----------------|------|------|-------|----------|-------------------------------|
|                     | AA |                 |      |      |       |          |                               |
|                     | AB |                 |      |      |       |          |                               |
|                     | AC |                 |      |      |       |          |                               |
|                     | AD |                 |      |      |       |          |                               |
|                     | AE |                 |      |      |       |          |                               |
|                     | AF |                 |      |      |       |          |                               |
|                     | AG |                 |      |      |       |          |                               |
|                     | AH |                 |      |      |       |          |                               |
|                     | AI |                 |      |      |       |          |                               |
|                     | AJ |                 |      |      |       |          |                               |
|                     | AK |                 |      |      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|           |    | DOCUMENT NUMBER | DATE     | COUNTRY                     | CLASS | SUBCLASS | TRANSLATION |     |
|-----------|----|-----------------|----------|-----------------------------|-------|----------|-------------|-----|
|           |    |                 |          |                             |       |          | Yes         | No* |
| <i>AL</i> | AL | 4,318,974       | 12/15/94 | Germany (Abstract Attached) |       |          |             | X   |
| <i>AM</i> | AM | 412,428         | 02/13/91 | Europe (Abstract Attached)  |       |          |             | X   |
| <i>AN</i> | AN | 414,383         | 02/27/91 | Europe                      |       |          |             |     |
|           | AO |                 |          |                             |       |          |             |     |
|           | AP |                 |          |                             |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|           |    |  |
|-----------|----|--|
| <i>AR</i> | AR | Journal of the American Society of Lubrication Engineering, Vol 31, May 5-8, 1975,<br>Pages 558-564, "Ceramic Airframe Bearings", Jan W. Van Wyk   |
| <i>AS</i> | AS | Mat. Res. Soc. Symp. Proc, Vol 287 (month unavailable), 1993, Pages 533-538, K. Kanbara et al,<br>"Corrosion of Silicon Nitride Ceramics by Nitric Acid"   |
| <i>AT</i> | AT | Key Engineering Materials, Vol 113, (month unavailable), 1996, Pages 227-237, A. Okada et al,<br>"Mechanical Degradation of Silicon Nitride Ceramics in Corrosive Solutions of Boiling Sulphuric Acid" |

EXAMINER

DATE CONSIDERED

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|                     | AG |                 |      |      |       |          |                               |
|                     | AH |                 |      |      |       |          |                               |
|                     | AI |                 |      |      |       |          |                               |
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|                     | AK |                 |      |      |       |          |                               |

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|  |    |                 |      |         |       |          | Yes         | No* |
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|  | AM |                 |      |         |       |          |             |     |
|  | AN |                 |      |         |       |          |             |     |
|  | AO |                 |      |         |       |          |             |     |
|  | AP |                 |      |         |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|   |    |  |
|---|----|--|
| <input checked="" type="checkbox"/>   | AR | Corrosion of High Performance Ceramics, Springer-Verlag, Berlin, (month unavailable), 1992, Pages 76-78, "Corrosion in Liquid Media" Y. G. Gogotsi et al                                   |
| <input checked="" type="checkbox"/>   | AS | Materials Science & Technology, Vol 17B, Processing of Ceramics, VCH Weinheim, Part II, Pages 4-47 (month unavailable), 1996, R. W. Cahn et al "Advanced Ceramics from Inorganic Polymers" |
| <input checked="" type="checkbox"/>   | AT | Pract. Met. 27, (month unavailable), 1990, Pages 503-513, P. Obenaus et al "Method of Quantitatively Characterising Columnar Crystals in Silicon Nitride Ceramics"                         |
| EXAMINER <i>John M. [Signature]</i>   |    | DATE CONSIDERED <i>6/21/2001</i>   |
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